



**PRODUCT CODE: 121129**

**Ammonia 25% (as NH<sub>3</sub>) (Reag. USP, Ph. Eur.) for analysis**

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H<sub>3</sub>N

NH<sub>3</sub>

M.= 17,03

CAS [1336-21-6]

EINECS 215-647-6

TARIC 2814 20 00 00

**SYNONYMS:** Ammonium Hydroxide

**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water • D 20/4 0,91 • Vap. press. (20 °C) 500 hPa •

**BIBLIOGRAPHY:** Merck Index **13**, 494 Sax **AMY500** • Römp **8**, **182** • ISO 6553/2-1983 R - 3, 4 • BP.**2018** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** •

**HAZARDOUS:** C.E: 007-001-01-2 • RTECS: BQ 9625000 • LD50 oral rat 350 mg/kg • LC L0 inh hm 5000 ppm / 5 min • LC50 inh rat 2000 ppm / 4h • VLA-EC [NH<sub>3</sub>(g)] 35 ppm25 mg/m<sup>3</sup> VLA-ED [NH<sub>3</sub>(g)] 25 ppm18 mg/m<sup>3</sup>



H: H314 • H400 • H335 •

P: P260 • P261 • P264 • P271 • P273 • P501 • P280 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P312 • P321 • P363 • P391 • P403+P233 • P405 •

**TRANSPORT REGULATIONS:** UN: 2672 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •

**WEIGHT/VOLUME INFORMATION:** 1l~0,905 kg 1kg~1,105 l

**OBSERVATIONS:** Storage below 20°C •

**SPECIFICATIONS:**

Assay (Acidim.)

25,0-27,0 %\*

Density at 20/4 0,901-0,907\*

**Maximum limit of impurities**

APHA colour	10
Non-volatile matter	0,002 %
Reducing substance to KMnO4 (as O)	0,0008 %
Chloride (Cl)	0,00005%
Sulfur compounds (as SO4)	0,0002 %
Phosphate (PO4)	0,0001 %
Sulfide (S)	0,00001 %
Carbonate (as CO2)	0,002%
Pyridine and homologues	0,0002%
As	0,000005 %
Heavy metals (as Pb)	0,00005%

**Metals by ICP [in mg/Kg (ppm)]**

Ag	0,02
Al	0,1
Au	0,1
B	0,5
Ba	0,1
Be	0,1
Bi	0,05
Ca	1
Cd	0,1
Co	0,1
Cr	0,05
Cu	0,1
Fe	0,1
Ga	0,05
Ge	0,02
Hg	0,1
In	0,05
K	1
Li	0,02
Mg	0,5
Mn	0,1
Mo	0,02
Na	2
Ni	0,05
Pb	0,05
Pt	0,1
Sb	0,02
Si	0,3
Sn	0,05
Sr	1
Ti	0,05
Tl	0,02
V	0,02
Zn	0,1
Zr	0,05

\* **At the moment of the batch analysis.**